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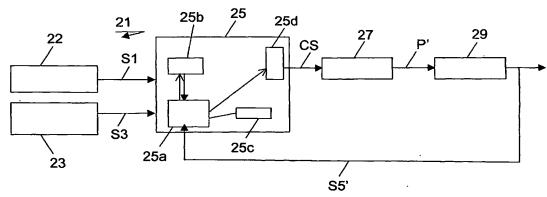
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### (54) Title: MONITORING DEVICE AND A MONITORING BODY-WEAR



(57) Abstract: A monitoring device (21) arranged to measure a signal (S 1) representative of a physiological condition of the individual by means of a suitably arranged sensor (22) and to automatically modify a contact pressure (P) of said sensor meeting real-time requirements. For this purpose the sensor (22) is supported by a piece of elastic material, the monitoring device further comprising an actuator (27) arranged to interact with the piece of elastic material upon receipt of a control signal (CS) from a control unit (25). The control unit (25) is arranged to analyze the signal (S 1) from the sensor (22) and to decide on an alteration of the contact pressure (P). For this purpose the control means (25) comprises a logic unit (25a) arranged to carry out a suitable signal analysis. Preferably, the monitoring device (21) is arranged with a further sensor (23), a signal (S3) of which is also provided for analysis to the control unit (25).

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